Systematic pseudopotentials from reference eigenvalue sets for DFT calculations
Additional information

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We display in the following pages those elements for which we are unable to improve the electronic dispersion in a significant manner: C, Al, Si, V, Cr, Cu, Se, Nb, and Te. Please refer to Table 2 in the main text to assess the overall improvement by means of the ratio Y_o/Y_i.
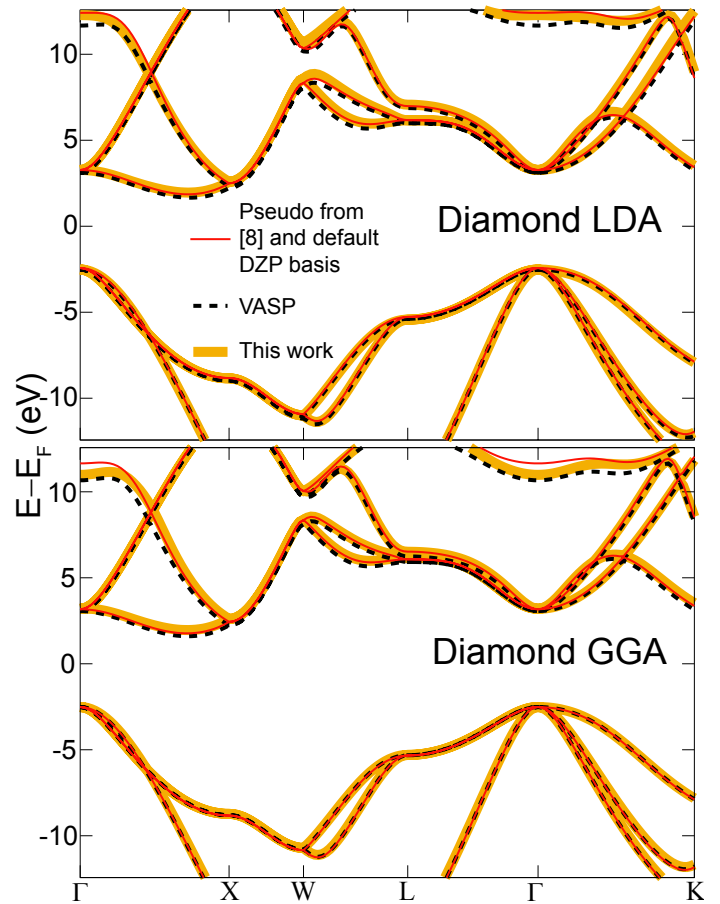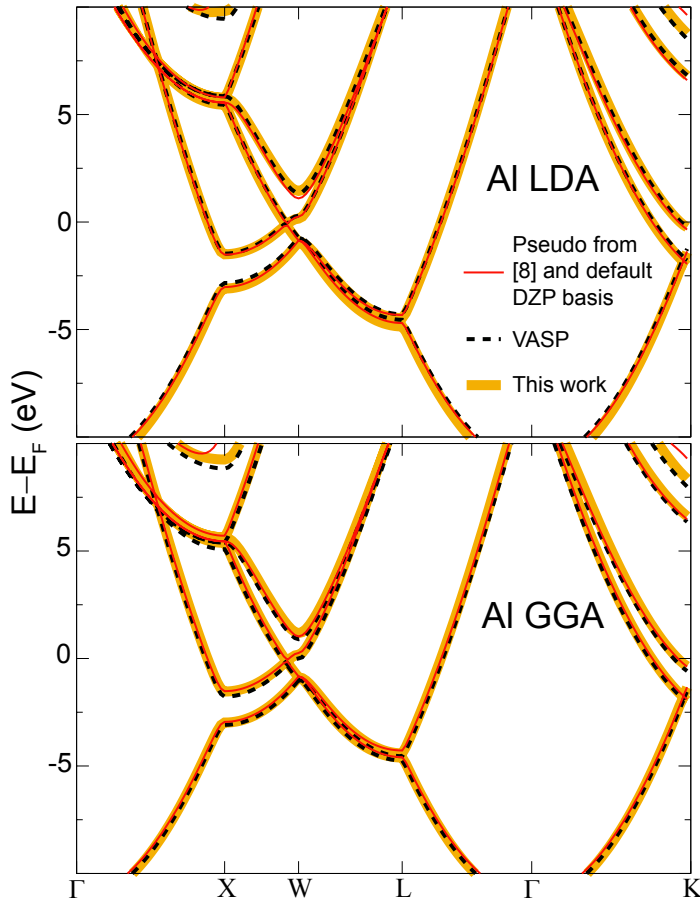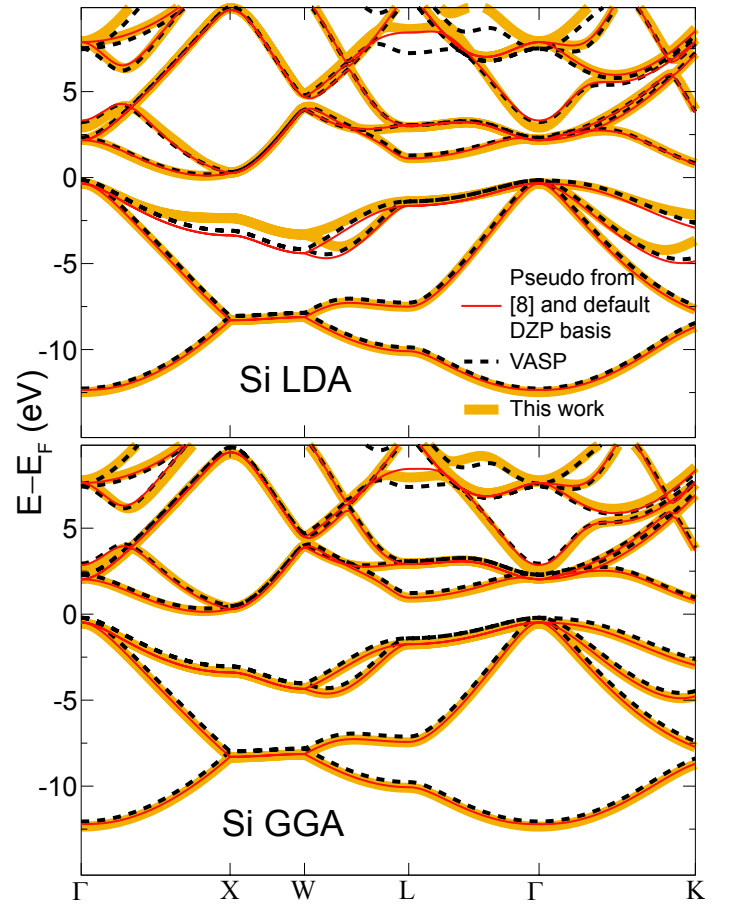

Figure 1: C ($Z = 6$)
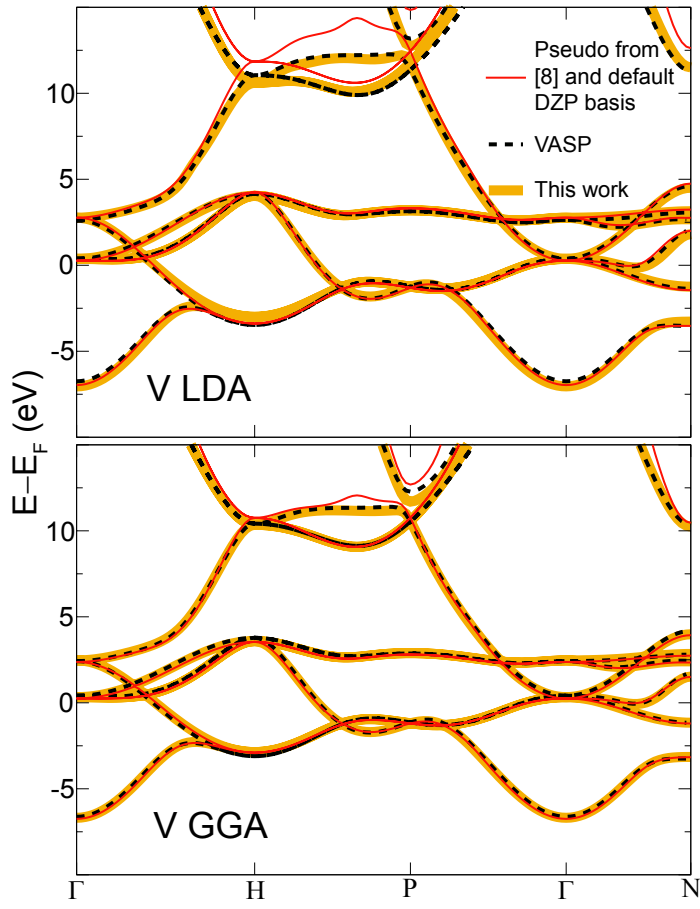
Figure 2: Al (Z = 13)

Figure 3: Si (Z = 14).

Figure 4: V (Z = 23).
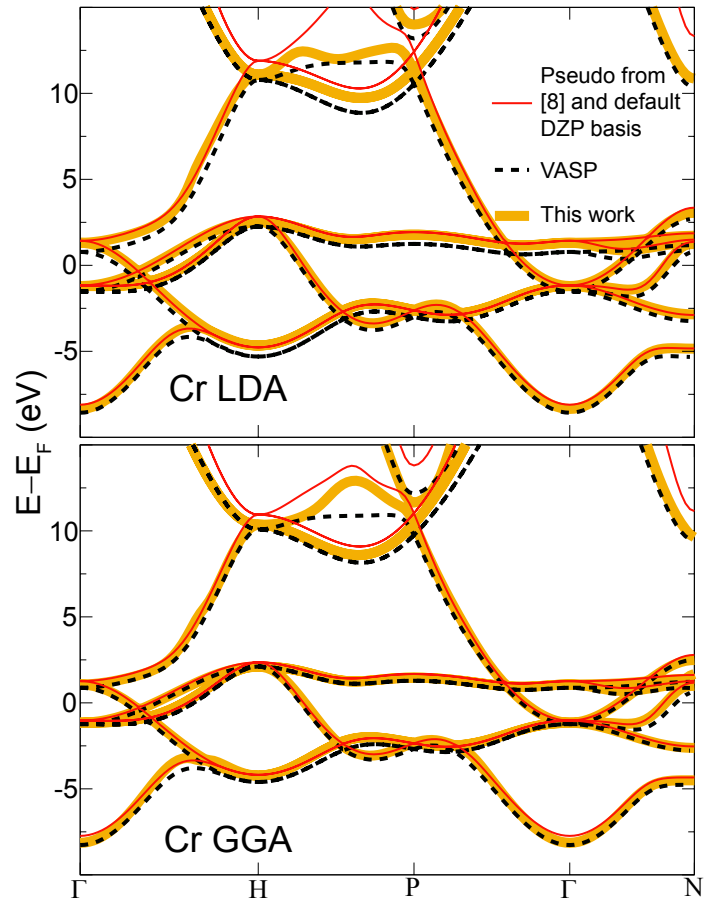

Figure 5: Cr (Z = 24).
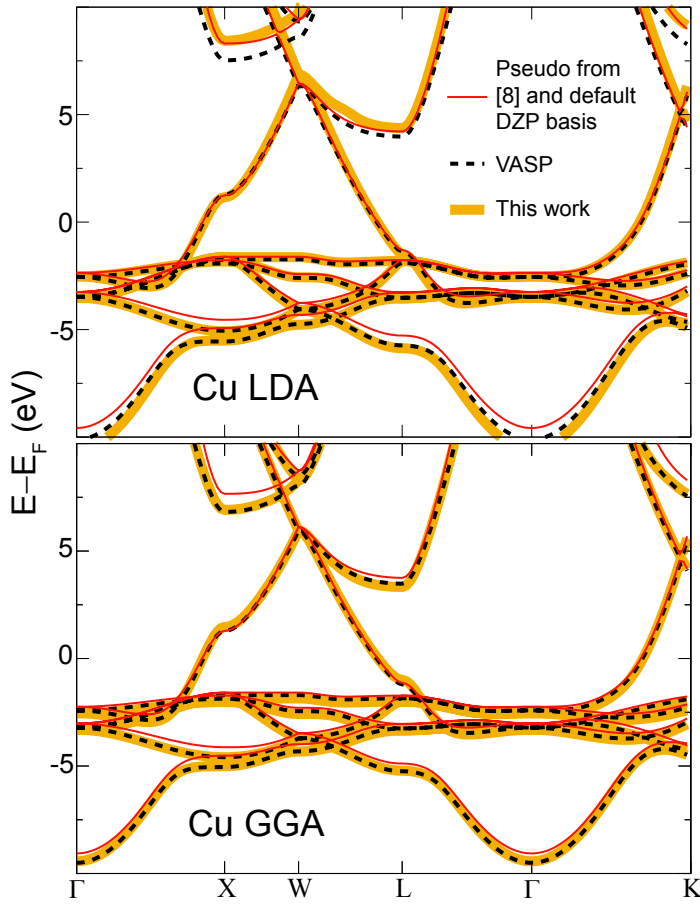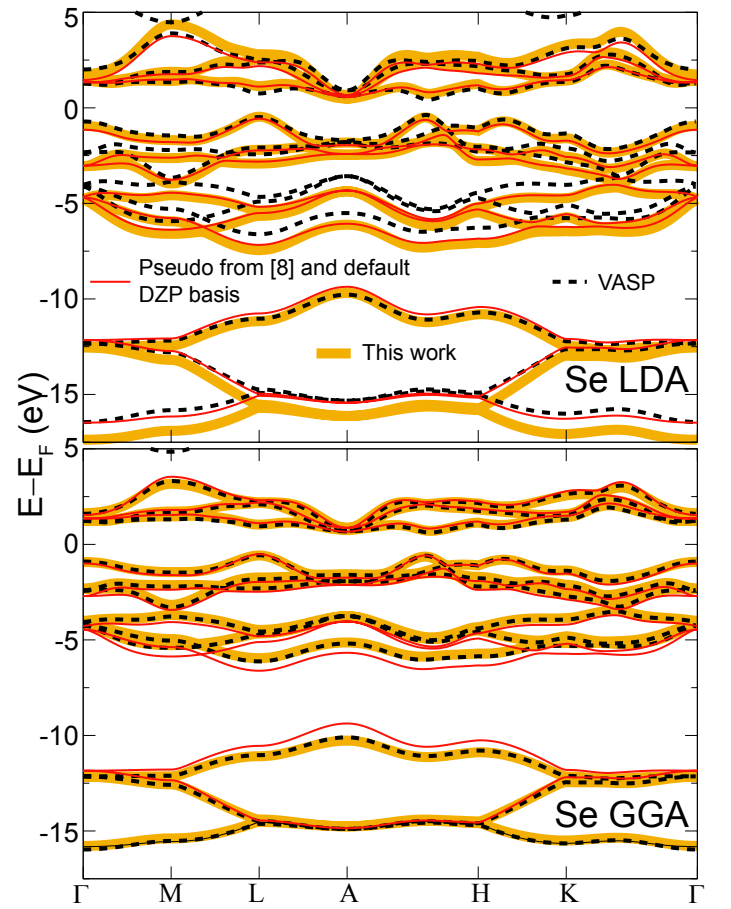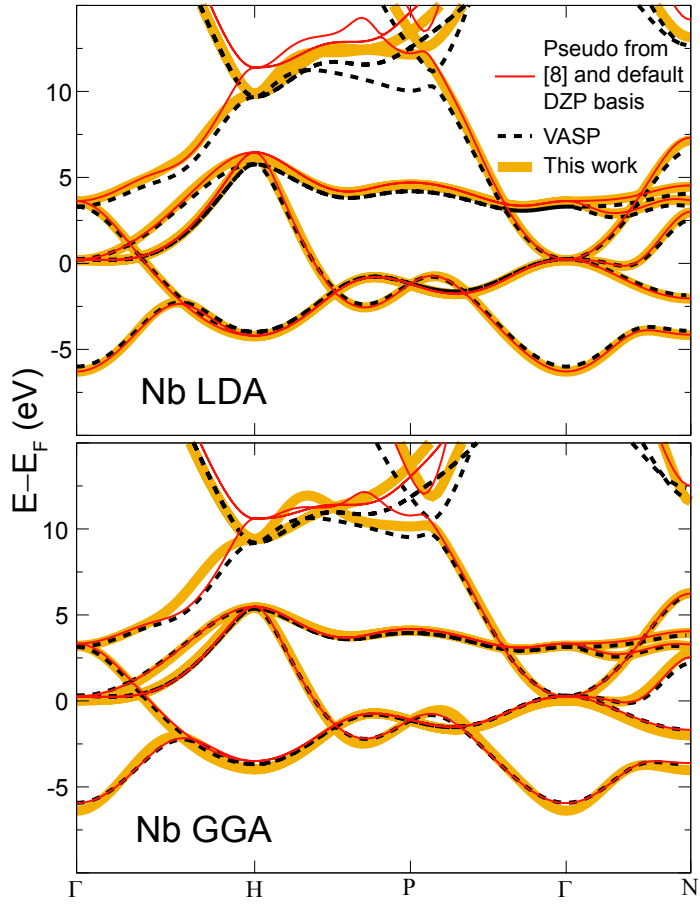
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Figure 6: Cu (Z = 29).
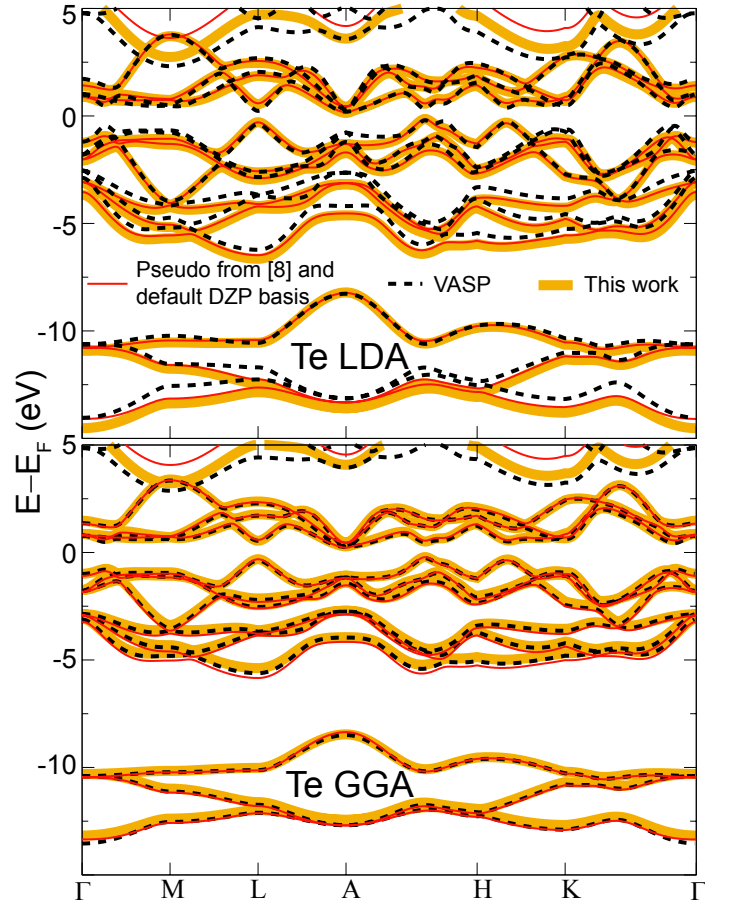

Figure 7: Se (Z = 34).

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Figure 8: Nb (Z = 41).

Figure 9: Te (Z = 52).